

Amendments to the Specification

Please replace paragraphs [05] and [38] of the specification as filed¹ with the following rewritten paragraphs:

[05] When developing new input devices which will communicate via a PS/2 interface, there is often a need to include features not contemplated by the PS/2 protocol, and thus not supported by many standard drivers. These new features may provide new types of input data. In particular, these features may generate data that do not correspond to the types of data for which there are reserved spaces in existing PS/2 packet formats. When a new type of data is inserted into a PS/2 packet space, existing PS/2 port drivers fail to recognize that data as distinct from the type of data normally inserted into the same space. As a result, the port driver may process the data incorrectly, and/or may provide the data to other software components without properly identifying the data type. Rewriting existing PS/2 port drivers is undesirable for various reasons. Commonly-owned U.S. Patent Application Ser. No. 10/420,039, titled "Attribute Reporting Over A PS/2 Protocol," filed April 17, 2003 and incorporated by reference herein (now U.S. Patent 6,772,236), provides at least one solution to this problem. In particular, that application provides an approach for reporting device attributes such as battery-power state and signal strength using a PS/2 protocol.

[38] Another type of input is generated by horizontal scroll control 416. Similar to vertical scroll data, which may be used to move a screen image, cursor or other displayed object in a vertical direction, horizontal scroll data may be used to move an image, cursor or other object in the horizontal direction. In some embodiments, horizontal scroll control 416 is a separate wheel (or other rotating member) located on mouse 302, with horizontal scroll data corresponding to an encoded amount by which that member is rotated. In other embodiments, horizontal scroll data is generated based on the amount of user force

¹ Although paragraph [05] in the specification as filed corresponds to paragraph [0005] in the specification published as US2005/0223387A1, paragraph [38] in the specification as filed corresponds to paragraph [0040] in the specification as published.

applied to a pressure sensitive control on mouse 302. Examples of controls usable for generating horizontal scroll data are described in commonly-owned U.S. Patent applications 10/184,000 (titled "Input Device Including A Wheel Assembly for Scrolling An Image In Multiple Directions" and filed June 28, 2002)(now U.S. Patent 7,079,110), 10/183,993 (titled "Input Device Including A Scroll Wheel Assembly for Manipulating An Image In Multiple Directions" and filed June 28, 2002)(now U.S. Patent 7,042,441), 10/183,994 (titled "Scrolling Apparatus Providing Multi-Directional Movement of An Image" and filed June 28, 2002)(published as Pub. No. US 2004/0001042A1) and 10/382,652 (titled "Scroll Wheel Assembly for Scrolling An Image In Multiple Directions" and filed March 7, 2003)(now U.S. Patent 7,075,516), all of which are incorporated by reference. Although buttons 406-414, horizontal scroll control 416 and vertical scroll wheel 418 are shown as separate elements, one or more of these controls may be implemented in a combined mechanism (e.g., a scroll wheel which may also be pressed to act as a button).